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INFORMATION DISCLOSURE	Application Number	09/654,688 BEC (16 200)
STATEMENT BY APPLICANT	Filing Date	September 5, 200@NTER 1600/2900
(use as many sheets as necessary)	First Named Inventor	Olson, et al.
30 mm	Group Art Unit	1653
<i>A</i> */	Examiner Name	
Sheet 1 of 4	Attorney Docket No.	BSP1-5319L

				U.S	S. PATEN	T DOCUMENTS		
			U.S. Patent Docu	ment				
Examiner Initials*	Cite No. ¹		Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of (Document MM-DD-YYYY	Cited	
yc	<u> </u>	1	4,873,	192		Kunkel	10/10/1989	
10	cc	2	5,028,588			Hoffman	07/02/1991	
				FORE	IGN PATE	ENT DOCUMENTS		
			F	oreign Patent Doc	ument			T
Examiner Initials*	Cite No. ¹	Office	Number ⁴	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T⁵	
KC	10	3		WO 88/09179		Hoffman	12/01/88	
		4		WO 90/13645		Hoffman	11/15/90	
		5		WO 91/16349		De Angelo	10/31/91	
		6		WO 91/19505		Fronticelli	12/26/91	
		.7		WO 92/11283		Townes	07/09/92	
		8		WO 92/22646		Logan	12/23/92	
		9		WO 93/08831		DeAngelo	05/13/93	
·		10		WO 95/07932		Komiyama	03/23/95	
lq	ce	11		WO 95/14038		Milne	05/26/95	<u> </u>

Examiner Signature KCCarbon	Date Considered	6-22-04
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^{&#}x27;Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ³Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁴Applicant is to place a check mark here if English language Translation is attached.

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Sheet	2	of	4	Attorney Docket No.	BSP1-5319L

			FOREIGI	N PATENT	DOCUMENTS cont.			
		F	Foreign Patent Document					
Examiner initials*	Cite No.1	Office	Number ⁴	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Τ'	
Ycc	12		WO 96/27388		Gerber	09/12/96		
	(OTHER	PRIOR ART -	NON PAT	ENT LITERATURE DOCUM	MENTS		
Examiner Initials*	Cite No.1		m (book, magazine	, journal, seria	L LETTERS), title of the article (when al, symposium, catalog, etc.) date, pa er, city and/or country where publishe	ge(s), volume-issue	T€	
pope	13	Winter	ourn et al. (1974)), J. Clin. Inve	est. 54 :678-689			
	14	Ascoli (et al. (1981), Meth	. Enzymol. 70	6:72-87			
	15	Fermi e	et al. (1984), J. Mo	l. Biol. 175 :1	59-174	·		
	16	Taylor	et al. (1985), Nucl.	Acids Res.	13:8749-8764			
	17	Taylor	et al. (1985), Nucl.	. Acids Res. 1	13 :8765-8785			
·	18	Dente e	et al. (1985), pp. 1	01-107 in DN	A Cloning,			
	19	Kunkel	(1985), Proc. Natl	. Acad. Sci. l	JSA 82 :488-492	•		
	20	Nakam	aye et al. (1986), I	Nucl. Acids R	tes. 14:9679-9698			
	21	Bunn e Aspect		er 16, pp. 63	4-662 in Hemoglobin: Molecular, G	enetic and Clinical		
	22	Chatter	jee et al. (1986), J	l. Biol. Chem	. 261 :9929-9937			
icc	23	Kleinsc	hmidt et al. (1987)	, J. Hoppe-S	eyler's Z. Biol. Chem. 368:579-615			

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INF	ORMATION	DISC	LOSURE	Application Number	09/654,688
	ATEMENT BY			Filing Date	September 5, 2000
(use as many sheets as necessary)				First Named Inventor	Olson, et al.
	•			Group Art Unit	1653
,				Examiner Name	
Sheet	3	of	4	Attorney Docket No.	BSP1-5319L

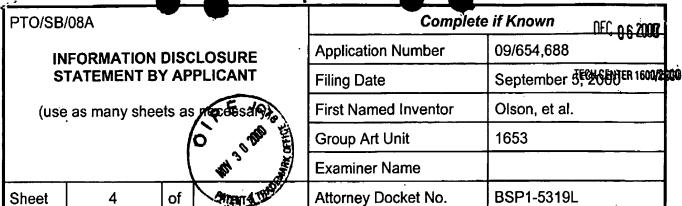
· · · ·		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.'	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
Yer	24	Kunkel et al. (1987), Meth. Enzymol. 154:367-382	
	25	Vincent (1989), Semin Hematol. 26:105-113	
	26	Perutz (1989), Trends Biochem. Sci. 14:42-44	
	27	Mathews et al. (1989), J. Biol. Chem. 264 :16573-16583	
	28	Hughson et al. (1990), Science 249:1544-1548	
	29	Carver et al., (1990), J. Biol. Chem. 265:20007-20020	
	30	Jones et al. (1990), BioTechniques 8:178-183	
	31	Hoffman et al. (1990), Proc. Natl. Acad. Sci. USA 87:8521-8525	
	32	Zhang et al. (1991), J. Biol. Chem. 266:24698-24701	
	33	Jones et al. (1991), BioTechniques 10:62-66	
	34	Mathews et al. (1991), J. Biol. Chem. 266:21631-21639	
	35	Komiyama et al. (1991), Nature 352:349-351	
	36	Yao et al. (1992), PCR Methods and Applications, 1:205-207	
	37	Vandegriff (1992), Biotechnology and Genetic Engineering Reviews 10:403-453	
	38	Fronticelli et al. (1993), Biochemistry 32:1235-1242	
	39	Hargrove et al. (1994), Biochemistry 33:11767-11775	
pck	C 40	Springer et al. (1994), Chem. Rev. 94 :699-714	

Examiner Signature KC Cauban	Date G-22-0 4	
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Yec	41	Looker et al. (1994), Meth. Enzymol. 231:364-374	
	42	Hargrove et al. (1994), J. Biol. Chem. 269:4207-4214	
	43	Whitaker et al. (1995), Biochemistry 34:8221-8226	
	44	Vandegriff (1995), pp. 105-131 in Blood Substitutes: Physiological Basis of Efficacy, Birkhauser, Boston	
	45	Hargrove et al. (1996), Biochemistry 35:11293-11299	
	46	Hargrove et al. (1996), Biochemistry 35:11300-11309	
ice	47	Hargrove et al. (1996), Biochemistry 35:11310-11318	

Examiner Signature KCCarlser	Date G-22-04	
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